

BOKARO POWER SUPPLY CO. (P) LTD.

**HALL NO:- M-01, OLD ADMINISTRATIVE BUILDING,
ISPAT BHAVAN, BOKARO STEEL CITY – 827001**

CIN:U40300DL2001PTC112074

Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi - 110 003

TENDER NOTICE NO.: BPSCL/CEO/P&C/16-17/C-086/NIT-596/3857

Dated 26/07/2016



TENDER DOCUMENT

NAME OF WORK: Overhauling of Boiler # 4

**COST: Rs.1000/-
(Rupees One Thousand only)**

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Bokaro Power Supply Co. (P) Ltd.

(A Joint Venture of SAIL & DVC)

Hall No: - M-01, Old Administrative Building,

Ispat Bhawan, Bokaro Steel City – 827001

NOTICE INVITING TENDER

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Reg. Office : Ispat Bhawan, Lodhi Road, New Delhi – 110 003

NIT No. : BPSCL/CEO/P&C/16-17/C-086/NIT-596/3857

Date: 26/07/2016

For and on behalf of BOKARO POWER SUPPLY COMPANY (P) LTD, sealed tenders in three parts, **Part - A** : Cost of Tender document & EMD, **Part- B** : Technical & Commercial Offer and **Part – C** : **Online Price Bid** are invited, from reputed, experienced and financially sound firms for the following work at our Power Plant.

Description of Work	Overhauling of Boiler # 4
Earnest Money (in Indian Rs.)	Rs. 15,000/- (Rupees Fifteen Thousand) only
Cost of tender documents (Non-refundable) (in Indian Rs.)	Rs.1000/- (Rupees One Thousand) Only
Period of contract	03 (Three) Months from the date of commencement of Work
Last date & time of submission of tender	26/08/2016 at 12.00 Hrs. (IST)
Bid opening Date & Time.	26/08/2016 at 12:15 Hrs. (Part A & B)

Qualifying Requirements / Eligibility Criteria :

1. Bidder must have valid ISO: 9001 certification as on the date of bid opening.

2. **Average annual turnover (AAT)**

Tenderer should have Minimum average annual turnover (MAT) of **Rs.74,74,281.00**

⇒ Average annual turnover shall be determined taking into consideration turnover of available preceding three consecutive financial years. Other income shall not be considered for arriving at annual turnover.

⇒ Audited annual accounts along with auditor's report of the bidder should be furnished in support of the same. Where audited annual account is not mandatory as per the law, the bidder has to submit annual financial turnover during the consecutive last three (03) years, ending 31st March of the previous financial year duly certified by CA.

3. **Technical Capability :**

Party should have experience of having completed **similar works** in any Public Sector Undertaking / Government / Semi Government organization or joint venture thereof / Company registered under Companies Act during last 7 years ending last day of month previous to the one in which offer are invited shall be either of the following:

➤ Three similar completed works each costing not less than **Rs.14,94,856.00**

OR

➤ Two similar completed works each costing not less than **Rs.19,93,142.00**

OR

➤ One similar completed work costing not less than **Rs.34,87,998.00**

Similar Work means: Overhauling / Capital Repair / Medium Repair of refractory lined boiler having capacity not less than 220 TPH, whose scope of work shall consists of Refractory work, Structural job, Pressure Parts job etc. along with other jobs in a single work order.

4. In support of their eligibility and experience, the Tenderer is required to submit self attested photo copies of work orders, completion certificates (by the concerned competent authority etc.) along with the techno-commercial bid. In addition, bidder shall submit an affidavit as per format at **Annexure-VI**, declaring that the documents submitted by them are genuine.

⇒ Completed Work means the executed/completed portion of Work Order/AMC/RC, even if the work has not been completed in totality (subject to furnishing proof of executed value of work in the form of certified copies of RA Bills) along with successful work execution certificate (by the concerned authority etc.)

5. The value of, work order(s) submitted by the bidder will be considered on pro rata yearly basis.
6. The bidder shall furnish authenticated copies of latest IT Return, Service Tax Registration, EPF certificate, ESI Certificate.
7. No consortium is allowed for the job.
8. **The bidder must accept for finalization of rate through Reverse Action (RA) as per format given at Annexure-VIII.**

General Terms & Conditions:

i) Offer shall be accompanied with Cost of the tender documents of **Rs. 1000.00** (non-refundable) in the shape of Demand Draft / Banker's Cheque drawn from any Nationalized / Scheduled Bank except Co-Operative Bank, in favour of **Bokaro Power Supply Company (P) Ltd.**, Payable at Bokaro Steel City.

However Government organizations / Small scale industries registered with NSIC is not required to submit the cost of tender document subject to production of the documentary evidence like valid Registration certificate of the same item or group of item from appropriate Govt. Authority.

ii) Offer shall be accompanied with Earnest Money Deposit (EMD) of **Rs.15,000.00 (Rupees Fifteen thousand) Only** in the shape of Demand Draft / Pay Orders / Bankers Cheque Payable at Bokaro Steel City // Bank Guarantee having validity for, one (01) year, from any Nationalized Bank / Scheduled Bank except Co-operative Bank drawn in favour of **Bokaro Power Supply Company (P) Ltd.** as per format available at our website: **www.bpscl.in**.

However EMD exemption wherever applicable may be availed of by Micro & Small Enterprises (MSEs) / PSUs / Govt. Undertakings and Co-operative Societies etc., as per Government policy. For MSEs, the exemption from EMD is to granted only on submission of valid notarized copy of certificate having a valid Entrepreneurs Memorandum (EM) number. SSI / NSIC certificate holders are required to submit a copy of Entrepreneurs Memorandum for EMD exemption.

iii) The undersigned reserves the right to either reject any / all the tenders without assigning any reason thereof & also reserves the right to alter the qualifying requirements.

Note:

1. Tender documents are to be downloaded from our Website: www.bpscl.in/eps.buyjunction.in only.
2. Bidders are requested to visit our website regularly for any addendum / corrigendum / Extension till opening of the NIT. **Any such changes shall not be published through Press advt.**

For and on behalf of
Bokaro Power Supply Company (P) Limited

(J.M Prasad)
DGM (P&C)

Tel : 8986874098

Email : purchase.bpscl@gmail.com

Copy to : 1. GM I/c 2. Sr. Manager (F&A) 3. VO / BPSCL 4. Notice Board 5. O Copy

Copy to : CEO – for kind information pls.

Conditions & Rules to be observed in submitting Tenders

1.01 Manner of Submission of the Tender

The tender shall be divided into 03 parts as follows:-

- a) **Part A:** This part Comprises of Cost of Tender document & EMD, NIT No. & date marked with Part A.
- b) **Part B:** This part Comprises of Technical and Commercial details, consent on terms & conditions of NIT etc. marked with (Part-B) Techno-Commercial Bid, NIT No. & Date (*In hard copy*)
- c) **Part C:** Online sealed Price Bid through URL : <http://www.buyjunction.in>

The process of submission of Online Price bid is as detailed hereunder-

Step 1: Type <http://www.buyjunction.in> in the internet explorer.

Step 2: Click on Login (present on Top right side of the Page)

Step 4: Click on **View Live Auctions and Tenders.**

Step 5: In the right side open/ global tenders link will be displayed.

Step 6: Click on the link for the above mentioned tender link present under Open tenders

Step 7: Click on new user if you are not registered in buyjunction earlier. Click on Existing user in case you have already registered in buyjunction earlier. Existing users can login with their user id and password.

Please note foreign bidders are required to select their bidding currency from the drop down available before proceeding further (where ever applicable).

New Users:

Steps to get your **User Code** and **Password**

1. Click on the required tender link under “**Open Tenders**”
2. Choose your Auction currency in-case any option is coming to select currency. Click on “**New User**”
3. Fill up the “**Registration Form**” and click on “**Submit**”. All fields marked with (*) are mandatory fields.
4. On submitting the filled-up registration form, an auto generated email will be sent to the email address you have mentioned in the registration form containing your User Code and Password.
5. Changing of password on first login is compulsory.
6. On receipt of the User Code and Password you become an **Existing User**. Now follow the steps of existing user to login to the auction site.

Existing Users

1. Click on the required tender link under “**Open Tender**”
2. Click on “**Existing User**”.
3. Log in with your existing user code and password for placing your bid.
4. Read through the “**Bidding Procedure**” to proceed further for bidding.

Bidding Procedure

After logging in with your user id and password you have to accept the “**Auction Terms**”.

Steps to accept the “Auction terms”:

1. Click on “**Auction Terms**”.
2. Then click on “**View term without DSC**”
3. Click on the relevant auction terms appearing under “**Term**” column.
4. Select the check box on the left-side of the relevant auction terms.
5. Click on the button besides “**Accept**”.
6. Then click on “**Submit**”.
7. A message will be displayed to you mentioning your acceptance to terms for auction.
8. It is mandatory to accept the terms of online bidding in order to proceed for submission of bid.

Steps to Submit Price Bid

1. Click on “**Bids.**”
2. Then click on “**Live Auction.**”
3. Put your login password as transaction password
4. Select the auction id and click on add to watch list.
5. Now the bidding screen is visible.

6a. For Template Bidding

1. Click on **Icon “T”** on left column of bidding screen (Which will appear separately **for each lot**).
2. A template form will open where you need to fill up the price & click on evaluate at the bottom
3. If you want to quote the evaluated price then click on “**confirm**”.
4. After clicking on the confirm button of the template window, your price will appear in the “**New Bid**” box.

6b. For Non-Template Bidding

1. Fill your Price in the “**New Bid Box**” visible on the bidding screen.
2. Select the check box at the extreme left of the bidding screen
3. Click on “**Submit**” button placed at the bottom left of the screen.
4. Bid once placed will have to be honoured.
5. You will see “**Bid Accepted**” in the “**Result**” column. This indicates that your bid is accepted and registered in the system.

Steps to take a print-out of the receipt

1. Once you have placed your bid, to download Bid Receipt, kindly click on “**Download**”.
2. Then click on “**Bid Receipt for Open Tender**”.
3. Select the auction to generate receipt.
4. Take print out of the same market-wise (Term List)/ item-wise (Auction list).

Note:

1. **Current price, Market status, Start Bid Price, Bid Decrement, Effective Price** will not be available.
2. Time remaining for the event to close will be shown under the Bid Summary screen.
3. For any clarification on the bidding process please contact
Mr. Manish Nandwana _ 9163348165_ manish.nandwana@mjunction.in
Ms. Monalisa Shaw _ 9163348297_ monalisa.shaw@mjunction.in
Mr. Sumit Kumar Das – 8873002750 - sumit.das@mjunction.in for Bokaro Office
A scanned copy of System generated **acknowledgement-slip for Online submission of sealed price bid to be submitted along with Techno-commercial Bid.**

- 1.01.1 A & B part should be sealed in separate envelopes, clearly superscribing on the top of each envelope the relevant part number and description along with NIT reference and date of opening and submit all the parts simultaneously in another sealed envelope clearly superscribing NIT reference and date of opening.

1.02 Tender Validity Period

The tender shall be valid at least for 120 (One hundred twenty) days from the date of opening.

1.03 General

- i) Tenderer’s are requested to visit site for actual assessment of the job before submission of their offer.
- ii) The tender rates shall be written in English, both words and figures. In the case of any discrepancy between the words & figures of the rates quoted, the rates expressed in words shall be taken as correct. In the case of discrepancy in the Unit Rate and Amount, Unit Rate will govern.

- iii) All pages of the tender documents, conditions, specifications & all enclosures must be signed with seal of the company at the lower left hand corner by the tenderer before submission of the tender.
- iv) If the intending tenderer is a Firm or Company, then they shall, in the forwarding letter, mention the number and names of all the partners & shall sign before submitting the same, unless the Power of Attorney holder has specifically been authorized in this respect.
- v) If any tenderer withdraws his tender before its acceptance or refuses within a reasonable time without giving any satisfactory and acceptable explanation thereof, the tenderer shall be disqualified for making any tender of the BPSCL for a minimum period of one year and the Earnest Money will be forfeited.
- vi) **Handling of Earnest Money:**
 - a) Earnest Money will be refunded to the un-successful tenderer after finalisation of tender and no interest will be paid for the same. Bidders are requested to provide Bank Details for refund of EMD.
 - b) The amount of Earnest money will be adjusted against Security Deposit only in case of successful Tenderer.
- vii) In case the date of tender opening happens to be holiday, the tender will be opened on the next working day at the same time.
- viii) **Any conditional offer or offer having deviations from our qualifying requirement, specification & instruction sheets is liable to be rejected.**
- ix) BPSCL reserves the right either to reject any/all the tenders without assigning any reason thereof.

General Terms and Conditions

- 2.01 Bidders are requested to visit the site before submission of the bid to get acquainted with actual site condition.
- 2.02 You will have to follow and observe the safety & statutory requirements.
- 2.03 You will have to fully responsible for any sort of unsafe activity of your workmen.
- 2.04 All working personnel should have proper safety certificates issued by BPSCL before start of work.
- 2.05 Supervision of the work has to be carried out by the agency.
- 2.06 Work is to be carried out as per instruction & satisfaction of the Engineer-In-Charge.
- 2.07 Rates are to be quoted on firm price basis. Any conditional offer is liable to be rejected.
- 2.08 In case of any documents/information submitted by the bidder(s) found to be false or containing any misrepresentation of having any fraudulent declaration in it then in such eventuality legal action (including cancellation of contract, banning of business dealing, forfeiture of EMD, criminal proceedings etc.) as deemed fit may be initiated by BPSCL against the bidder.
- 2.09 **Payment Terms :**
90% of contract value will be paid on pro-rata basis on progressive jobs duly certified by Engineer In-Charge and balance 10% will be retained as security deposit which will be released after six (06) months of satisfactory execution of work.
- The expression satisfactory execution of the order shall mean fulfillment of all obligation arising out of and the guarantees stipulated in the contract. In default at satisfactory execution of the order the security deposit shall be forfeited to the BPSCL.
- Any penalty for which the successful tenderer shall be found liable or any liquidated damages which shall be payable to the BPSCL in terms of the Contract, shall also be recoverable by the BPSCL from the Security deposit. If such security deposit will not be adequate for the purpose of liquidating the amount of penalty and/or damages as contemplated, the amount in excess thereof shall be deducted from any sum or sums which may be due or may become due to the successful tenderer from the BPSCL on any account whatsoever.
- Notwithstanding what has been stated above if the successful tenderer shall have duly performed all his obligation under and the guarantees stipulated in the contract and observe all the terms and conditions thereof and no penalty shall have been recoverable from him and / or the BPSCL shall not have suffered any damages whatsoever, then security deposit shall be refunded, on receipt of a certificate from the Engineer in - charge that there is no claim against the Successful tenderer under the Contract.
- 2.10 Contractor will produce medical fitness certificate for his workers prior to CLC clearance for working at height. Height passes to be obtained from safety department.
- 2.11 You will have to strictly adhere to the provision of various labour laws including payment of bonus Act 1965.
- 2.12 You will have to pay Rs.4/- extra to the working persons as per BPSCL rules above minimum wage of one day.
- 2.13 Offer is to either type written or by handwritten and in no case partly type written and partly hand written. No corrections, overtyping shall be permitted without duly authenticated.
- 2.14 Tenders shall be accompanied by a copy of latest IT Return submitted, Service Tax Registration No. (if applicable) of the Individual/Party/Firm submitting the Tender.
- 2.15 Paying authority –In - charge (F&A), BPSCL.
- 2.16 Tenderers shall quote their firm rates and no negotiations will be held except with the lowest tenderer, if required.
- 2.17 In accepting the order you are understood to accept to all responsibilities for completing the work in all respect.

- 2.18 Where a claim of Service Tax is preferred and admitted, the tenderer must satisfy that he is a registered contractor under Service Tax Act and possesses a Certificate of Registration in the firm's name in which the service is made and shall in proof thereof, while submitting bills for payment, furnish the number, date and other particulars of such Certificate.
- 2.19 The manpower (labour and Supervisor) deployed for completion of the job and for compliance of work & safety of the workmen should be adequate. However the compliance and completion of the job cannot be restricted to labour supply but on the actual execution of the job to be certified by the Engineer – In – charge.
- 2.20 **VDA Clause** : During operation of the contract, if there is an upward revision of minimum wages, VDA by the appropriate Government, the Contractor shall be entitled to reimbursement of such additional amount on actual basis subject to production of documentary evidence. The base date shall be the Bid opening date OR Revised offer date (in case of negotiated prices)
- 2.21 **Work accident** :
- a. You will be totally responsible for the safety of the workers employed by them. In the event of any work-accident, major or minor, your representative you must take care of the injured person immediately and provide him the required treatment as suggested by the doctor. The injured person may be admitted to BGH for the treatment by paying the charges as demanded by the hospital authority.
- b. You shall be fully responsible for making payment of compensation to your own workmen or to those of your sub-contractor in respect of any accident or injury occurring to them. BPSCL will in no way be responsible for it and will remain indemnified against all such claims of compensation in such cases
- 2.22 **SUBMISSION OF BANK GUARANTEE FOR QUOTING UNWORKABLE RATE:**
if a tenderer quotes unworkable rates i.e. if the quoted price is less than the lower limit of the estimated price and is considered for placement of order, the party will be asked to justify the rate quoted and will have to give Performance Guarantee Bond (in addition to the Security Deposit) in the form of Bank Draft/Bank Guarantee. The amount of Performance Guarantee Bond will be decided by BPSCL at the time of placement of order. Earnest Money of the tenderers who refuse to give Performance Guarantee Bond will be forfeited and they will not be considered for taking participation in any kind of Tender for next Six (06) months from the date of issue of letter to the Defaulter Firm, if order / contract is not finalised from the present tender.
- 2.23 **FORCE MAJEURE** : Vendors / Contractor shall not be considered in default if delay occurs due to cause beyond their control such as acts of God, natural calamities, civil wars fire, strike, frost, floods, riot and acts of unsurpassed power. Only those causes which have duration of more than seven days shall be considered in force majeure clause. In the event of delay due to such clause the delivery / completion period will be extended for a length of time equal to the period of force majeure of at the option of owner order may be cancelled without any liability what so ever on the part of the owner.
- 2.24 **RATE FINALIZATION:**
Rates will be finalized through Reverse auction among the techno commercially acceptable tenderers through our authorized service providers i.e. **M/s. Mjunction Service Ltd.** The tenderers have to submit their acceptance as per enclosed format at **Annexure – VIII & IX** along with their techno-commercial bid. The schedule and details of Reverse Auction event shall be communicated by our Service provider (**M/s. MJunction Service Limited**) to the techno-commercially accepted bidders.
- 2.25 **The Parties should clearly indicate their prices firm in all respects till execution of the work order.**
- 2.26 In case of asking any variation on any account whether sales tax or Service tax (wherever applicable) will not be treated as firm price on that account and hence parties should state everything clearly.
- 2.27 **Special Instruction:** Tender will be opened on **26.08.2016 at 12.15 PM**. If it is declared a holiday by BPSCL then in the next working day at the same time in the presence of Tenderer's Authorized Representatives, who wish to be present.

Scope of works:**Item No – 01****External Cleaning**

1. Washing of boiler roof with water spray.
2. Cleaning of furnace 1st and 2nd pass from outside.
3. Cleaning of all stair case and platform of the Boiler.
4. Cleaning of feed line area at 8M and CD feeder area at 13M.
5. Cleaning of all gas line platforms.
6. Cleaning of shot hopper area

Internal Cleaning

1. Cleaning of Shoots & ash deposition from boilers super heater tubes, economizer tubes, water wall tubes etc. by high pressure water jet.

HIGH PRESSURE WATER JET PUMP & ACCESSORIES ARE TO BE ARRANGED BY THE PARTY.

Item No - 02**Boiler Tube Thickness Checking / De-metering**

1. Proper cleaning at different position of high pressure line & gas line (BF & CO).
2. Point making (for thickness measurement / de-metering) at the above locations by filing.
3. Locations wise thickness measurement / de-metering by the appropriate instrument (as per directive of the site in-charge).
4. Compiling the thickness measurement / de-metering reports & submitting it to the side in-charge

NOTE: INSTRUMENT FOR DE-METERING/THICKNESS MEASUREMENT IS TO BE ARRANGED BY THE PARTY. AT LEAST TWO INSTRUMENTS ARE TO BE USED

Item No - 03**Burners****Burners, CO gas line & dampers**

1. Dismantling / revisioning of CO gas line dampers each set comprising of two dampers of dia 200 mm
2. Lowering CO pipe including 90° bend upto orifice plates, cleaning and again fixing with orifice plate
3. Dismantling and lowering burners at 0 meter. Each burner's weight is approx 1 tone
4. Dismantling and lowering of dust pipe bends above burners with reducers and assembly after burner jobs are over
5. Repair of air casing (dia 3000 mm, length 1 meter)
6. Repair of BF chamber by gas / arc cutting if found defective inspection
7. Rectification / changing of SS tips, if required (Dia 400mm, 600 mm & 1100 mm, thickness 16 to 20 mm, length 1 meter)
8. Fixing of burner assembly by putting asbestos cloth in flanges, leveling & centering
9. Fixing the revisioned/ new coke-oven dampers

Oil & steam line

1. Revisioning / replacement of oil and steam line valves dia 20 and 25 mm
2. Changing/repairing of oil and steam pipes of dia upto 42 x 4 mm

Secondary air dampers

1. Revisioning of secondary air dampers each set containing two dampers which are to be made free individually then to be connected by link with gear box

Item No – 04**Cyclone & Separator of Mill System**

1. Gas cut worn out portion of separator cones, shifting and welding with new one
2. Repair of worn out portion of dust cyclone

3. Repair/Replacement of connecting pipe of separator to cyclone
4. Replacement of bottom pipes & separators cones dia 290 mm
5. Removal of mill fan suction dampers & fitting new one
6. Removal / revisioning of atmospheric suction damper of mill system
7. Revisioning of on-off valves including modification of inspection holes & repair of pipes
8. Overhauling & making free of separators link, vanes & its sector assembly, broken links are to be replaced
9. Changing of damaged explosion vents of cyclones and separators
10. Repair / replacement of worn out portion of mill fan suction & delivery pipe ducts(1100mm dia)

Item No - 05

Gas line valves

1. Dismantling of dia 600 mm. hermetically sealed dampers & gear box from position of c. o. & b. f. gas line at 16 M and 27 M level. the wt. of each damper is about 200 kg
2. Revisioning/replacement of dampers (Dia 600 mm)
 - a. Revisioning of dampers involves making shaft free / changing replacing the rubber flap/seal, changing of stopper bolts, brackets & spring.
 - b. Replacement of damper involves shifting of new dampers from store to site and shifting of old dampers to scrap yard as per direction of site In- charge
3. Assembly of dampers and gear boxes after revisioning
4. Revisioning of bleeder valves of size dia 80 mm
5. Rev. / replacement of hermetically sealed dampers of BF gas line (size dia 1200mm).
 - a. Revisioning of dampers involves making shaft free / changing replacing the rubber flap/seal, changing of stopper bolts, brackets, spring & revisioning of its gear box
 - b. Replacement of damper involves shifting of new dampers from store to site and shifting of old dampers to scrap yard as per direction of site In- charge
6. Revisioning / replacement of regulating dampers size dia 1200 mm. the job involve making dampers free.
 - a. Revisioning of dampers involves making shaft free / changing replacing the rubber flap/seal, changing of stopper bolts, brackets & spring
 - b. Replacement of damper involves shifting of new dampers from store to site and shifting of old dampers to scrap yard as per direction of site In-charge
7. Cleaning of duct pipe at 16 M level of b. f. gasoline. pipe size dia 1200mm

Item No - 06

Overhauling of drum

1. Opening of drum manholes. Cleaning & assembly after repair of drum. The manholes holding should be leak proof in hyd. Test
2. Plugging of drum inside about 52 Nos. and removal after repair (plugs will be supplied by BPSCL)
3. Changing of gasket of drum cyclone. gas cutting and removing the keys of flanges and again fixing after gasket positioning and tack welding of key
4. Repair / positioning of filter trays & filter plates by cutting & welding
5. Inspection and choking removal of all sampling lines, CBD lines and phosphate dozing line

Item No - 07

Overhauling of HP Valves

H. P. Valve

1. Dismantling of Valves.
2. Repair / replacement of spindle, valve's seat & discs, lapping of sheet as per requirements.
3. Revisioning of stuffing boxes including new inner & outer gland packing.
4. Changing of bushes & bearings.
5. Revisioning of gear boxes including changing of internal & bearings as per requirement.
6. Final assembly & oil topping in gear boxes.
7. **Checking of the operation of valves.**

Lists of valves to be serviced

S.N	Description of Valves	Valve Size	Valve No.	Quantity
1.	Main Steam Valve Super Heater Blow Down Valve Feed Line Valve Feed Line Valve Feeds Check Valve Feed Line NRV (Non Return Valve)	273 x 18 100 x 12 100 x 12 175 x 16 175 x 16 175 x 16	252 255 / 256 324 / 372 323 / 371 FC Valve NRV	9
2.	Feed Line, Injection Line Valve including Control Valve / Armature Valve / Eco. Drain Valve / DM Line Valve, EBD Valve EBD Valve	76 x 8	--	20
3.	Drum Mountings, Vents, Drain Valves, Sample Line Valves etc.	25 x 4 / 10 x 2	--	100

Item No – 08

Overhauling of LP Valves (As per need)

LP Valves

1. Changing of spiral gasket / seretted rings
2. Changing of all flange & gland bolts
3. Repair/replacement of spindles, bushes & new gland packing.
4. Repair /replacement of operating wheels
5. Final checking of the operation of valves.

Lists of LP valves to be serviced

S.N	Description of Valves	Valve Size	Qty
1.	Valve for Oil Firing system, purging and drains Cooling water Line Valves	25 x 4 / 40 x 6	70

Note: Nos. of valves may increase or decrease as per need.

Job involves:

- a) Cutting of valve and shifting it to boiler spare store.
- b) Shifting of new valve from store to site.
- c) Fitting of valve and joint welding.
- d) Stress reliving is to be done for valve class – 2500.

Item No – 09

Changing of HP & LP Valves (As per need)

Job involves:

- a) Cutting of valve and shifting it to boiler spare store.
- b) Shifting of new valve from store to site.
- c) Fitting of valve and joint welding.
- d) Stress reliving is to be done for valve class – 2500.
- e) R.T/U.T of all valve joints

HP Valves	
Valve Size	Qty
Φ 10 mm Φ 20 mm Φ 65 mm	30
Φ 100 mm (class – 2500) Φ 100 mm (class – 1500)	04

Φ 175 mm (class – 1500) Φ 225 mm (class – 2500)	02
LP Valves	
Φ 10 mm Φ 20 mm Φ 40 mm	40

Note: Nos. of valves may increase or decrease as per need.

Item No - 10

Tig Welding Joints For Repairing/Replacement of Boiler Tubes

S.N	Description
1.	Economizer Ø32 x 3.5 Screen S. H. Tubes Ø32 x 4 Convective – I Ø38 x 4 Convective – II Ø42 x 4.5 Water Wall Ø60 x 5 H. P. Drain Line Ø 38 x 4 & Ø32 x 3.5
2.	a) Feed/Injection Line Ø76 x 7.6 b) Economizer Drain c) Soot Blower Line d) D. M. Water Line
3.	Feed Line (Steel-20) Ø133 x10
4.	Steam Line (12X1Mφ) Ø133 x14
5.	Stub Joints

Note:

1. Job involves:

- a. Cutting of clamps.
- b. Cutting & removal of damaged tubes.
- c. Shifting of new tubes at site.
- d. Fitting & welding of joints.
- e. Proper clamping of high pressure tubes (SH tubes, Economizer tubes and water wall tubes).
- f. Stress Relieving where ever required.

Item No - 11

R.T/U.T of Welding Joints

S.N	Description
1.	Economizer - Ø32 x 4 Screen S. H. Tubes - Ø32 x 4 Convective – I - Ø38 x 4 Convective – II - Ø42 x 4.5 Water Wall - Ø60 x 5 Feed/Injection Line - Ø76 x 7.6 And stub of above sizes.
2	Feed Line (Steel-20) - Ø175 x 16), Ø133x10 Steam Line - Ø 133 x 14

Item no - 12

Alignment of Water Wall

Positioning of water wall panels and headers to their original position as per drawing. All clamps, supports, scallop bars etc. are to be repaired / replaced. Extra clamps or scallop bars are to be introduced as per instruction of engineer in charge.

Item No. – 13

Overhauling of Safety Valves of TPP

1. Revisioning/replacement of safety valves the job includes:
 - a) Dismantling of safety valves by opening flange bolts & cutting of pipe connection.
 - b) Revisioning of safety valve at '32' Mtr. or '0' Mtr.
 - c) Assembly of safety valve in position & connection of impulse & drain pipe **OR**
Replacement of safety valve with new one if required with S.R and R.T/U.T as applicable.
2. Revisioning / replacement of Impulse safety valve.
3. Revisioning / replacement of atomizing steam line safety valve at burner floor

Item No – 14

Furnace Shell Plate Changing

1. Shifting of 275 Nos. (Size – 1 M x 1 M) of shell plates from store to '0' M area of the boiler
2. Cutting & removal of damaged shell plates at different positions of the furnace wall as per the directives of the site in-charge
3. Shifting of shell plates to these locations from '0' M area of the boiler
4. Fitting & welding of 275 Nos. of shell plates at the above locations of the furnace
5. Shifting of damaged shell plates from the above locations to scrap yard

Item No – 15

Rectification of all Super Heater Headers Hangers Supports

1. Rectification of Screen Super Heater & water wall Headers Hangers Supports.

Item No – 16

Repair of Structure

1. Repair of deformed beam and channels forming the furnace & supporting the water walls. This includes strengthening of main columns of furnace.

Item No – 17

Overhauling of Ducts & Compensators

1. Repair of compensator and duct from furnace hopper to ESP inlet
2. Repair of compensator and duct from ESP outlet to ID fan inlet.
3. Repair of furnace explosion vent & its duct. Replacement of plate from FD fan via bottom and top APH ring header up to burner inlet.
4. Shot hopper cover plate replacement.

Item No – 18

Overhauling of Hopper & Hydraulic seal

Hopper:-

1. Gas cutting shell plate below and above 8 meter upto 10 meter & weld after inspection
2. Make scaffolding from 0 meter to 8 meter level of hopper for inspection & removal after work completion
3. Cutting hopper connection, clean thoroughly & brings the hopper in normal position
4. Weld hopper connection (bracket) after checking level

Hopper at 2nd pass

1. Repair of manhole, angle, channel. Cleaning of all four hoppers.

Hydraulic seal

1. Repair / replacement / positioning of hydraulic seal, weld them after leveling
2. Fix & weld knives & angles in position. if required, hydraulic seal trays, knives & drain valves are to be replaced
3. Fix & weld corner hydraulic seal knives & angles
4. Fix & weld bracket / pin (main support).
5. Cleaning / changing hydraulic seal inlet & outlet water pipes and over flow pipes
6. Armature rod welding wherever required
7. Water charging and rectification of defects

Item No – 19

Repair of air preheater

1. Replacement of damaged compensators of all three stages
2. Repair / replacement of roof compensators
3. Plugging of leaking a. p. h. tubes of all the three stages
4. Cleaning of duct from FD fan via bottom and top APH ring header up to burner inlet.

Item No – 20

Erection of scaffolding

1. Scaffolding is to be erected from 0'M to 27'M inside the furnace with platforms at 4'M, 10'M, 16'M, 21'M & 27'M at all sides of the furnace. However 10'M platform should cover the total furnace area.
2. Scaffolding is to be made to reach all the SH panels.
3. Scaffolding should be made of safe, stable consisting of railing at the free end.
4. After successful completion of Hyd. test the scaffolding is to be removed within 48 hrs. max

Item No – 21

Coal dust pipes of Mill System

1. To gas cut worn-out bends and pipes after providing proper supports. Erect and weld new pipes (16 nos. bends)
2. To changed straight pipes (including ceramic wherever needed this includes changing of compensators also. (pipe size dia 406 x 10 mm)
3. Patching / jacketing of newly replaced pipes with 10 mm. thick plates in area covering 1M length.

Primary air dampers

1. Opening of inspection holes
2. Dismantling of dampers, revisioning / replacement of dampers.
3. Positioning of link and connection.
4. Assembly of dampers & welding with 1 M pipe both side and Positioning.
5. Closing of man holes with proper sealing arrangement.
6. Revisioning of all (12 nos.) dampers (Hot air, Cold air and warn air) and repair of their pipe lines (including compensator).

Item No – 22

Overhauling of Seal Pot and platforms

Seal Pot

1. Revisioning of Seal pots (03 Nos.)
2. Changing of drain pipe of size 60 x 5 mm. and bends.
3. Replacement / revisioning of valves:
(a) dia 80 mm. (b) dia 50 mm. (c) dia 20 mm

Platform

1. Repair/replacement of platform and stair case along with railing all around the Boiler from 0'M to 32'M.

2. Repair/replacement of platform of BF & CO gas line at 16'M, 21'M & 27'M along with their railing.
3. Repairing /replacement of PBD platforms along with stair cases

Item No – 23

OVERHAULING OF (A) R. C. FEEDERS, (B) C. D. FEEDERS, (C) BUNKRES

(A) R. C. FEEDERS & (B) C. D. FEEDERS

1. Decoupling of motor, gearbox and motor removal.
2. Removal of front and rear cover.
3. Removal of scrapper chain.
4. Repair of feeder body, dismantling of front and rear sprocket assembly with guide mechanism.
5. Replacement of guide plates of bottom and top.
6. Changing of old base plates and shifting to scrap yard.
7. Changing of old measuring plate and shifting to scrap yard.
8. Cutting of new base plate, edge preparation and shifting to site to 8M.
9. Cutting of new measuring plate edge preparation and shifting to site at 8M.
10. Installation of new base plate in position and welding.
11. Installation of new measuring plate in position and welding.
12. Replacement / patch welding of coal inlet chute of raw coal feeder above (10M).
13. Repair of manhole of feeder.
14. Rectification of feed control mechanism.
15. Revisioning of old sprocket mech. / changing of bearings.
16. Installation of front and rear sprocket assembly in position.
17. Fixing of big sprocket assembly with driving shaft.
18. Revisioning of gear box and changing of gearbox internals.
19. Revisioning of tension mechanism of driving sprocket.
20. Shifting of scrapper chain from TPP store to site.
21. Fixing of new scrapper chain in position.
22. Alignment of gearbox with driving sprocket and fixing of driving roller chain. Alignment of motor with gearbox.
23. Painting of feeder body.
24. Trail run of feeder, adjustment of scrapper chain tension, fixing of chain guard and coupling guard.
25. Revisioning / repair of raw coal bunker gate.
26. Decoupling and removal of c. d. feeder.
27. Dismantling of feeder, revisioning of feeder, charging of bush and bearing.
28. Revisioning of feeder gate / changing of gate bush if required.
29. Revisioning of gearbox, charging of worm wheel, worm shift along with bearing.
30. Fitting of gearbox in position with feeder and coupling of c. d. feeders.
31. Changing of dust pipe line, patching and attending leakage of dust pipe lines of the feeder.

(C) Bunkers

1. Preparation of scaffolding for raw coal bunkers, coal dust bunkers from 13M and above all around the bunkers.
2. Cutting of 16mm thick MS plates of proper size and transporting them to raw coal bunkers and coal dust bunkers area at 13 M level.
3. Lifting, fitting, and WELDING of MS plates of required size around the damaged portion of raw coal bunker & coal dust bunkers.
4. Patch repair of damaged portion of top cover of raw coal bunker and coal dust bunker.
5. Changing of measuring rope, pulley counter weight for dust bunker. repair of coal dust line from dust screw conveyor to coal dust bunker.

Item No – 24

Thermal insulation and aluminum sheeting

1. Shifting of bamboos for scaffolding at site.
2. Transporting of insulation materials i, e slag wool, cement, asbestos powder etc. from store to site.
3. Transporting of Al / GI sheets from store to site.

4. Breaking & removal of old insulation as per directive of site in-charge. as different position of the boiler duct, h. p. pipe line & l. p pipe line etc.
5. Complete insulation of the portions where repair has been done as per the directive of the site in-charge.
6. Complete insulation of the damaged portions of duct, pipelines, hoppers etc. as per the directive of the site in-charge.
7. Removal of thermal insulation of all the headers at the drum floor.
8. Removal of thermal insulation of all the piping outside the boiler.
9. Removal of thermal insulation of all the burners for Capital Repair.
10. Fixing of thermal insulation of the entire header at the drum floor.
11. Fixing of thermal insulation at all the piping outside the boiler.
12. Fixing of thermal insulation of all the burners after Capital Repair of the burner.

Item No – 25

Refractory Job

1. Refractory job at furnace roof area below drum up to central beam.
2. Refractory job at all four side walls of 1st pass area including hopper.
3. Refractory job at goose neck, economizer, APH etc.

Item No – 26

Supervision

You have to deploy sufficient numbers of engineers for supervision of the following areas.

- a. Equipments
- b. Duct at 0th M and above.
- c. Pressure parts & valve
- d. Refractory job

Item No – 27

Supply Part

1. Arrange/supply and transportation of Industrial gases, Electrodes, Filler rod, Welding Machine, Cutting set, Grinding Machine, Cutting & grinding wheel, Cement, Asbestos Powder, Scaffolding Material, D-Metering machine, S.R Equipments, DPT Kit, Electrode Heater, R.T Source, X ray Film, UT Machine, High Pressure Jet machine, Hydra, Truck, Winch machine, Chain block, Refractory mixing machine, Gas hose pipe, Water hose pipe, Welding cable, Hand lamp, Gas monitor, grease, jute, kerosene, diesel, Graphite powder, Rust remover, Steel putty etc as per requirements.

SPECIAL TERMS & CONDITIONS :

1. The vender has to depute all supervision, skilled & semi skilled workforce for execution of the subject job.
2. **Following items are to be arrange/supply by the vendor:**
Industrial gases, Electrodes, Filler rod, Welding Machine, Cutting set, Grinding Machine, Cutting & grinding wheel, Cement, Asbestos Powder, Scaffolding Material , D-Metering machine, S.R Equipments, DPT Kit, Electrode Heater, R.T Source, X ray Film, UT Machine ,High Pressure Jet machine, Hydra, Truck, Winch machine, Chain block, Refractory mixing machine, Gas hose pipe Water hose pipe, Welding cable, Hand lamp, Gas monitor, grease, jute, kerosene, diesel, Graphite powder ,Rust remover, Steel putti and all other tools and tackles as per requirements.
BPSCL will supply following items (free of cost)
All spares, structural materials, refractory materials, Insulation Materials, plates, GI / Al. sheet, nut bolts, glands, gaskets, rope, asbestos cloth etc.
3. Sufficient no. of HP welders with their valid test certificate must be engaged for execution of the subject job.
4. Transportation & issuance of all materials including refractory material from BPSCL/BSL store (main / site) is in the scope of work of the vender.
5. Scraps and debris generated during C/R have to be shifted to the scrap yard on daily basis.
6. Detail work done report has to be submitted after completion of Capital Repair of boiler.
7. Coordination with the office of factory inspector and boiler inspector is under the scope of the vendor.
8. During capital repair, work should be done round O'clock under proper supervision. They have to maintain daily progress / program of all jobs. The vender has to depute sufficient no. of experienced engineers for this purpose.
9. During contract period there will be no consideration of idle & escalation charges.
10. As the area of work is highly sensitive with respect to safety hazards, you must take proper work permit, shutdown clearance & other instructions from Engineer – in – charge daily before starting the work.
11. Any defects due to lack of workmanship is to be attended by you at your own cost within six months after commissioning.
12. **Penalty Clause :** If work is delayed beyond contractual period, a penalty @ ½ % of contract value per week for delayed portion subject to maximum limit of 05 % of contract value will be deducted from bills.
13. **Safety Clause:** Without prejudice to the right conferred by the clause above for stoppage of work for violation of safety requirements, you shall be liable for penalties mentioned below:
 - i. Upto Rs.5000/- by DGM (safety)/Head of safety Engg. Department /Head of the Department where work is being done for 1st violation of safety norm. non use of PPEs (Personal Equipments) like safety shoes, hand gloves, safety helmets, goggles etc as per work requirements by you or your workers. This condition is applicable in case of violations of Road Safety norms also.
 - ii. Fine upto Rs.20,000/- on 2nd Violation as mentioned in clause (i) above.
 - iii. You shall be debarred for one year / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering order on 3rd violation as mentioned in clause no (i) above.
 - iv. Fine upto Rs.10,000/- for violation in use of Full Body Harness by you or your worker for working at height (above 1.8 meter from immediate floor).
 - v. Fine Rs.25,000/- (minimum) to Rs.50,000/- (Maximum) for serious injuries and disabilities caused by violations as mentioned in Clause No. (i) and (iv) above.
 - vi. Independent of the above, you shall be fined Rs.1,00,000/- (1 Lakh) or more and debarred / deregistered from taking up further contractual work in BPSCL from the date of issue of debarring / deregistering order in case any Fatal accident occurs due to violations as mentioned in Clause (i) and (iv) above.

PRICE BID/ FORMAT**Special Instruction –**

1. *In the event of a L1 Bidder backing out prior to placement of order, in addition to forfeiture of EMD the bidder should be suspended for a period of six months from the date of issue of suspension order*
2. *Breakup of quoted unit LC (Landed Cost) excluding service tax rate shall be submitted by the bidder. In case of refusal of bidder to submit price break up, the bidder shall be suspended for a period of six months from the date of issue of suspension order.*
3. **Price Basis L1 bidder will be decided on lowest Landed Cost excluding service tax Basis.**

Item No – 01 ► Internal & External washing of Boiler for 01 Unit

Sl.No	Description	Qty.	Rate	Total Amount
1	External Cleaning As per Scope of work	01 Boiler		
2	Internal Cleaning As per Scope of work	01 Boiler		
Total For Item No. 1: Rs.				

Item No – 02 ► Boiler Tube Thickness Checking / De-metering for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1	Boiler Tube Thickness Checking / De-metering for 01 Unit As per Scope of work	01 Boiler		
Total For Item No. 2: Rs.				

Note: Instrument for De-metering/Thickness Measurement is to be arranged by the party. At least two instruments are to be used.

Item No – 03 ► Burners for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1.	Burners, Co Gas line & dampers As per Scope of work.	01 Boiler		
Total For Item No. 3 : Rs.				

Item No – 04 ► Cyclone & Separator of Mill System for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1.	Cyclone & Separator of Mill System As per Scope of work	02 Sets		
Total For Item No. 4 : Rs.				

Item No – 05 ► Gas line valves for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
	Gas line valves	01		
Total For Item No. 5: Rs.				

Item No – 06 ► Overhauling of drum for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
	Overhauling of drum	01 Boiler		
Total For Item No. 6: Rs.				

Item No – 07 ► Overhauling of HP Valves for 01 UnitLists of HP valves to be serviced

S.N	Description of Valves	Valve Size	Valve No.	Qty	Rate /valve	Total Amount
1.	Main Steam Valve	273 x 18	252	9		
	Super Heater Blow Down Valve	100 x 12	255 / 256			
	Feed Line Valve	100 x 12	324 / 372			
	Feed Line Valve	175 x 16	323 / 371			
	Feeds Check Valve	175 x 16	FC Valve			
	Feed Line NRV (Non Return Valve)	175 x 16	NRV			
2.	Feed Line, Injection Line Valve including Control Valve / Armature Valve / Eco. Drain Valve / DM Line Valve, EBD Valve EBD Valve	76 x 8	--	20		
3.	Drum Mountings, Vents, Drain Valves, Sample Line Valves etc.	25 x 4 / 10 x 2	--	100		
Total For Item No. 7 : Rs.						

*Note : Job will be done as per Scope of work***Item No 08 -Overhauling of LP Valves.**Lists of LP valves to be serviced

S.N	Description of Valves	Valve Size	Qty	Rate	Total Amount
1.	Valve for Oil Firing system, purging and drains Cooling water Line Valves	25 x 4 / 40 x 6	70		
Total for Item No 08 Rs.					

*Note : Job will be done as per Scope of work***Item No – 09 ► Changing of HP & LP Valves (As per need) for 01 Unit**

HP Valves			
Valve Size	Qty	Rate/valve	Total Amount
Φ 10 mm Φ 20 mm Φ 65 mm	30		

Φ 100 mm (class – 2500) Φ 100 mm (class – 1500)	04		
Φ 175 mm (class – 1500) Φ 225 mm (class – 2500)	02		
LP Valves			
Φ 10 mm Φ 20 mm Φ 40 mm	40		
Total For Item No. 9 : Rs.			

Note : Job will be done as per Scope of work

Item No – 10 ► Tig Welding Joints For Repairing/Replacement of Boiler Tubes

S.N	Description	Qty.	Rate/joint	Total Amount
1.	Economizer Ø32 x 3.5 Screen S. H. Tubes Ø32 x 4 Convective – I Ø38 x 4 Convective – II Ø42 x 4.5 Water Wall Ø60 x 5 H. P. Drain Line Ø 38 x 4 & Ø32 x 3.5	550		
2.	a) Feed/Injection Line Ø76 x 7.6 b) Economizer Drain c) Soot Blower Line d) D. M. Water Line	45		
3.	Feed Line (Steel-20) Ø133 x10	06		
4.	Steam Line (12X1Mφ) Ø133 x14	04		
5.	Stub Joints	130		
Total For Item No. 10: Rs.				

Note: Job will be done as per Scope of work

Item No – 11 ► R.T/U.T of Welding Joints

S.N	Description	Qty.	Rate	Total Amount
1.	Economizer - Ø32 x 4 Screen S. H. Tubes - Ø32 x 4 Convective – I - Ø38 x 4 Convective – II - Ø42 x 4.5 Water Wall - Ø60 x 5 Feed/Injection Line - Ø76 x 7.6 And stub of above sizes.	700		
2	Feed Line (Steel-20) - Ø175 x 16), Ø133x10 Steam Line - Ø 133 x 14	14		
Total For Item No. 11: Rs.				

Item No – 12 ► Alignment of Water Wall

S.N	Description	Qty.	Rate	Total Amount
1.	Positioning of water wall panels and headers to their original position as per drawing. All clamps, supports, scallop bars etc. are to be repaired / replaced. Extra clamps or scallop bars are to be introduced as per instruction of engineer in charge.	01 Boiler		
Total For Item No. 12 : Rs.				

Item No – 13 ► Overhauling of Safety Valves of TPP for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1	Revisoning/replacement of safety valves the job includes: (A) Dismantling of safety valves by opening flange bolts & cutting of pipe connection. (B) Revisoning of safety valve at '32' Mtr. or '0' Mtr. (C) Assembly of safety valve in position & connection of impulse & drain pipe OR Replacement of safety valve with new one if required with S.R and R.T/U.T as applicable.	02 Nos.		
2	Revisoning / replacement of Impulse safety valve	02 Nos.		
3	Revisoning / replacement of atomizing steam line safety valve at burner floor	01 No.		
Total For Item No. 13: Rs.				

Item No – 14 ► Furnace Shell Plate Changing for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1	Furnace shell plate charging for 01 unit As per scope of work	275 Nos.		
Total For Item No. 14 : Rs.				

Item No – 15 ► Rectification of all Super Heater Headers Hangers Supports for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1	Rectification of Screen Super Heater & water wall Headers Hangers Supports	01 Boiler		
Total For Item No.15 : Rs.				

Item No – 16 ► Repair of Structure for 01 Unit

S.N	Description	Qty.	Rate/ton	Total Amount
1	Repair of deformed beam and channels forming the furnace & supporting the water walls. This includes strengthening of main columns of furnace.	20 Ton		
Total For Item No.16 : Rs.				

Item No – 17 ► Overhauling of Ducts & Compensators

S.N	Description	Qty.	Rate/m ²	Total Amount
	Overhauling of Ducts & compensators As per Scope of work	450 M ²		
Total For Item No. 17: Rs.				

Item No – 18 ► Overhauling of Hopper & hydraulic seal

S.N	Description	Qty.	Rate	Total Amount
	Overhauling of Hopper & hydraulic Seal As per Scope of work	01 Boiler		
Total For Item No. 18: Rs				

Item No – 19 ► Repair of air preheater

S.N	Description	Qty.	Rate	Total Amount
	Repair of air Pre heater As per Scope of work	01 Boiler		
Total For Item No. 19: Rs				

Item No – 20 ► Erection of scaffolding

S.N	Description	Qty.	Rate	Total Amount
1	Erection of Scaffolding As per Scope of work	01 Boiler		
Total For Item No. 20:				

Item No – 21 ► Coal dust pipes of Mill System

S.N	Description	Qty.	Rate	Total Amount
	Coal dust pipes of Mill System As per Scope of work	01 Boiler		
Total For Item No. 21				

Item No – 22 ► Overhauling of Seal Pot and platforms

S.N	Description	Qty.	Rate	Total Amount
	Overhauling of Seal Pot and Platforms As per Scope of work	01 Boiler		
Total For Item No. 22.				

Item No – 23 ► OVERHAULING OF (A) R. C. FEEDERS, (B) C. D. FEEDERS, (C) BUNKRES

S.N	Description	Qty.	Rate	Total Amount
	<i>OVERHAULING OF (A) R. C. FEEDERS, (B) C. D. FEEDERS, (C) BUNKRES – As per Scope of work</i>	01		
Total For Item No. 23.				

Item No – 24 ► Thermal insulation and aluminum sheeting

S.N	Description	Qty.	Rate/m ²	Total Amount
	Thermal insulation and aluminum sheeting As per Scope of work	3700 M ²		
Total For Item No. 24.				

Item No – 25 ► Refractory Job

S.N	Description	Qty.	Rate	Total Amount
1	1. Refractory job at furnace roof area below drum up to central beam. 2. Refractory job at all four side walls of 1 st pass area including hopper. 3. Refractory job at goose neck, economizer, APH etc.	01 Boiler		
Total For Item No.25 : Rs.				

Item No – 26 ► Supervision for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1	Sufficient numbers of engineers are to be deployed for supervision of the following areas. a. Equipments b. Duct and structure. c. Pressure parts & valve d. Refractory Lining	01 Boiler		
Total For Item No.26 : Rs.				

The party has to provide Welding Machine, Cutting set, Grinding Machine, Scaffolding Material, D-Metering machine, S.R Equipments, DPT Kit, Electrode Heater, R.T Source, , UT Machine ,High Pressure Jet machine, Hydra, Truck, Winch machine, Chain block, Refractory mixing machine, Gas hose pipe ,Water hose pipe, Welding cable, Hand lamp, Gas monitor etc. as per requirements.

Item No – 27 ► Supply Part for 01 Unit

S.N	Description	Qty.	Rate	Total Amount
1.	Supply of Industrial gases, All types of electrodes, Filler rod, Cutting & grinding wheel, Cement, Asbestos Powder, grease, jute, kerosene, diesel, Graphite powder ,Rust remover, Steel putti etc as per requirements.	01 Boiler		
Total For Item No.27 : Rs.				
Rupees only				

Note : Service Tax extra as applicable

Signature with seal of tenderer

Notarized Affidavit

I.....son/daughter of Shri
Aged..... years resident of
.....PS.....District.....State.....do
hereby solemnly affirm that:

- (i) I am (designation/authority) in M/s
(name of the firm/company).
- (ii) I confirm that all documents submitted against Enquiry No. dtd.
..... in support of eligibility criteria are genuine.
- (iii) I undertake to produce all documents in original for verification as and when asked for
the same by BPSCL.

Solemnly affirmed & declared before me by Deponent(s) who is/are identified by	The declaration made herein above are true to the best of our knowledge, information and belief signed atOn..... Deponent(s)
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ANNEXURE - VII

CHECKLIST TO BE FILLED BY CONTRACTOR EXCEPT REMARKS:- All documents which is require for fulfill the qualifying requirement/ Eligibility criteria are to be submitted along with tender in serial order (clearly mention page no.) and the tenderer must fill the checklist of Annexure-V

CHECKLIST 1- OF DOCUMENT SUBMITTED BY TENDERER

Sl.No.	Document	Submit/ Not Submitted	Page No.	Remarks by BPSCL
1.	Valid work order			
2.	Completion Certificate			
3.	Partnership/ Proprietor			
4.	EPF			
5.	ESI			
6.	Latest ITR			
7.	* Service Tax Regn. No.			
8.	Turnover/ PL Sheet			
*If the agency is not under the preview of service tax then please write Not applicable (N.A.).				
Total numbers of pages in Techno-commercial Bid				

CHECKLIST-2 [PLEASE TICK (√) THE ONE WHICH IS APPLICABLE AND CUT (X) ANOTHER]

1.	All document as per NIT and Checklist 1	Submitted () Not submitted ()
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DECLARATION OF TENDERER:-

I M/s hereby declare that to best of my knowledge, the information given in the checklist is correct and complete, if any mistake/ incorrect statement will be found then you have right to reject and cancel (my) tender/application without any notice. I also hereby declare that I have read the all terms and conditions of tender document carefully.

Signature of tenderer with seal

(To be submitted on Supplier's Letter Head)

Format for Acceptance of General Terms & Conditions, Commercial Terms and all other Terms of the Reverse Auction

We _____ (Contractor Name)
having registered office at _____ (Address)
agree to all the Commercial, General & other Terms & Conditions listed in the
NIT No. _____
dated _____
for the work of _____ (subject work) through Reverse Auction.

We confirm that we are in a position to do the job as per the scope of work given in NIT/RFQ. We agree to participate in the Reverse Auction and abide by the rules.

We nominate an executive, whose details are given below, to put the bids on our behalf.

The details of the person authorized to bid on our behalf is as follows.

Name & Designation :
E-mail ID :
Contact phone nos. :
Address :

(Signature & Seal)

Place :
Date :

Format for submitting last quoted prices

(To be submitted on Company Letter Head of the Bidder)

(To be sent within 30 mins of conclusion of the Reverse Auction)

To,

mjunction services limited
1st Floor, Tata Centre
43, Jawaharlal Nehru Road
Kolkata – 700 071

Fax: 033 – 2288 3279

Ref: Reverse Auction forfor Bokaro Power Supply Co. (P) Ltd. held on

Reference above, we hereby confirm our Market wise last quoted prices in the Reverse Auction held on forfor Bokaro Power Supply Co. (P) Ltd., Bokaro Steel City.

Market No.	Last Quoted Price

We also confirm that we will submit item wise price break-up, within two working days from the date of Reverse Auction.

Signature :

Name :

Designation :

Date :

ENVIRONMENT, HEALTH AND SAFETY**EHS (Environment, Health and Safety) Clause for contracts where overall site is under BPSCL control****Contractor's Responsibilities**

The contractor shall during the entire term of contract undertake to perform the following obligations relating to environment, health and safety:-

1. Ensure that your workforce is not exposed to asbestos or asbestos containing atmosphere.
2. Take suitable control measures to ensure that the workers are protected from dust emission.
3. Monitor and ensure that the working area is free from any toxic gas, vapour and fume. Take adequate measures to reduce level of concentration below permissible limit. Exposure to any particular toxic gas, vapour or fume shall not exceed the maximum permissible limit prescribed in local regulation for any particular period of time. Ensure adequate ventilation and no immediate danger to life and health of personnel working at site.
4. Ensure that there is no flammable atmosphere and uncontrolled fire hazard in and around the work place. In case it is required to work in flammable atmosphere, implement safe working procedure and suitable control measures in order to work safely.
5. Ensure that the workers are protected from excessive noise and heat. Take adequate measures to reduce noise/heat level below the permissible limit.
6. Ensure safe access and egress in and around work place. Ensure proper maintenance of Platforms, staircases, ramps etc. Special care and all safety measures should be taken while working at height. Roof work and access to roofs must not be undertaken without prior permit.
7. All Personal Protection Equipments supplied by the contractor should be of internationally recognized standards. All tools and tackles bought by the contractor for use during the contract period should have proper and valid certification by competent authority.
8. All lifting equipments, tools and accessories provided by BPSCL should be maintained and returned back in sound condition after the completion of contract period.
9. Ensure that the illumination in and around workplace and access areas are maintained properly. Make sure to switch off the light, fan and air conditioners after use.
10. The contractor must ensure that all machinery and equipments are provided with earth fault circuit breakers at all times when using electrical leads. Use of electrical tape for temporary repair is prohibited.
11. Guards and covers for equipments/machineries are to be provided where ever necessary.
12. Gas cylinders shall be securely stored, transported, identified and used in line with legislation and EHS requirements.
13. Fire extinguishers and other fire fighting equipments provided in different locations should never be misused.
14. Contractor must ensure optimum use of water with minimum wastage.
15. Contractor shall also ensure that the work area is kept clean, tidy, & free from debris. The contractor is also fully responsible for protection of ground and underground from pollution.
16. Identify and highlight potential hazards / risks existing.
17. Ensure suitable corrective actions are implemented for identified issues.
18. Provide adequate emergency and first-aid facilities and it should be available in all shifts.
19. All workers should be trained and communicated about the onsite emergency and evacuation plan.
20. All equipments and plant should be maintained in safe condition.
21. The Contractor and their Personnel admitted to site must conduct themselves in an orderly and safe manner and conform at all times to the EHS Requirements. Fighting, engaging in horseplay, being under the influence of or possessing alcohol or drugs, gambling, soliciting, stealing, immoral or otherwise undesirable conduct is not permitted and shall not be tolerated. Upon knowledge of such conduct, BPSCL shall exclude the concerned person from the site and take all other appropriate measures as deemed necessary. BPSCL reserves the right to perform random drug and alcohol tests.
22. The Contractor shall immediately notify BPSCL of any environmental incident, injury, illness, near-miss, unsafe condition or practice and any loss or damage to property, including incidents related to the Contractor Personnel. An investigation report assessing the root cause, corrective action, and preventative action shall be submitted by the Contractor to BPSCL within 24-hours of the incident's occurrence.